

From: [Hall, Stephen](#)
To: [Hawkins, Andy](#); [Wilbur, Emily](#)
Cc: patricia.maliro@dnr.mo.gov; [Vit, Wendy](#)
Subject: RE: Rush Island Monitor Siting
Date: Tuesday, July 28, 2015 3:30:34 PM
Attachments: [DailySummaryReportPacificWS-WD-5-1-2015.xls](#)

Andy,

Ameren is providing the preliminary report as a pdf file so we don't have a corresponding .csv or .xls file. You may be able to covert the .pdf if you have a copy of Adobe Acrobat Pro.

We noticed the CPU maintenance and the following monitored concentrations too. The data is still preliminary and it appears that Ameren performed a QC check after monitoring the elevated data. We'll see what they submit as part of the validated data set and quality assurance reports. Wind speeds at the valley station were very low during that period and looking quickly at the meteorological data at our Pacific Site (Latitude: 38.490200 Longitude: -90.705200) it appears that winds were generally from the southeast during the hours of elevated concentrations. Historical monitoring at the Augusta Quarry site in the late 1990's indicated that maximum 1-hour SO2 concentrations were generally monitored when wind speeds were between 1 and 3 MPH and coming from the direction of the plant. So without additional information to the contrary, it's plausible that these concentrations are vaid.

Stephen M. Hall

Air Quality Analysis Section Chief

Air Pollution Control Program

Missouri Department of Natural Resources

1659A E. Elm St.,Jefferson City, MO 65102-0176

Phone: 573-751-8406

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From: Hawkins, Andy [mailto:hawkins.andy@epa.gov]

Sent: Tuesday, July 28, 2015 1:33 PM

To: Hall, Stephen; Wilbur, Emily

Cc: Maliro, Patricia; Vit, Wendy

Subject: RE: Rush Island Monitor Siting

Thanks Steve. Could you provide this as a .csv or .xls?

I'm also curious if you folks believe the data on 5/1 at the NW site after the maintenance on the CPU? I ask because it seems suspicious that the highest reading occurred right after the CPU work. Was it recalibrated also after that? Seems unlikely that they would be doing CPU work right as the plume was actually hitting the monitor considering it hardly ever monitors anything above a 2ppb.

Andy Hawkins

EPA Region 7

11201 Renner Boulevard

Lenexa, Kansas 66219

(913) 551-7179 office

hawkins.andy@epa.gov

From: Hall, Stephen [mailto:stephen.hall@dnr.mo.gov]

Sent: Tuesday, July 28, 2015 1:03 PM

To: Hawkins, Andy; Wilbur, Emily

Cc: patricia.maliro@dnr.mo.gov; Vit, Wendy

Subject: RE: Rush Island Monitor Siting

Andy,

Attached is the latest preliminary SO2 Monitoring data from the Labadie SO2 network.

Stephen M. Hall

Air Quality Analysis Section Chief

Air Pollution Control Program

Missouri Department of Natural Resources

1659A E. Elm St., Jefferson City, MO 65102-0176

Phone: 573-751-8406

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From: Hawkins, Andy [<mailto:hawkins.andy@epa.gov>]

Sent: Monday, May 11, 2015 10:51 AM

To: Hall, Stephen; Wilbur, Emily

Cc: Maliro, Patricia

Subject: RE: Rush Island Monitor Siting

Thanks Steve. When you get some data at Labadie I would be interested in looking at it.

Andy Hawkins

EPA Region 7

11201 Renner Boulevard

Lenexa, Kansas 66219

(913) 551-7179 office

hawkins.andy@epa.gov

From: Hall, Stephen [<mailto:stephen.hall@dnr.mo.gov>]

Sent: Monday, May 11, 2015 9:56 AM

To: Hawkins, Andy; Wilbur, Emily

Cc: patricia.maliro@dnr.mo.gov

Subject: RE: Rush Island Monitor Siting

Andy,

Sorry for the delay. The Labadie special purpose monitoring project's data reporting timeline to MDNR is similar to a PSD project to the extent that Ameren reports validated data quarterly to MDNR (within 60 days of the end of the quarter). The Project QAPP also cites that: "Written notification of a monitored NAAQS exceedance to Ameren and MDNR/APCP Within 2 business days of occurrence." Therefore, May and June 2015 monitoring data will be available by the end of August 2015 and we anticipate that Ameren will notify MDNR if any exceedances are monitored consistent with the Terms of the project QAPP.

Ameren is not reporting near-real time data from the Labadie monitoring sites at this time. Ameren intends to facilitate MDNR access to the preliminary 1-hour SO2 data for the Rush Island monitoring project.

Stephen M. Hall

Air Quality Analysis Section Chief

Air Pollution Control Program

Missouri Department of Natural Resources

1659A E. Elm St., Jefferson City, MO 65102-0176

Phone: 573-751-8406

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From: Hawkins, Andy [<mailto:hawkins.andy@epa.gov>]

Sent: Tuesday, May 05, 2015 12:56 PM

To: Hall, Stephen; Wilbur, Emily

Subject: FW: Rush Island Monitor Siting
Steve/Emily,

Can you please provide the modeling inputs used in the Rush Island modeling to support the proposed monitors and their placement (from the attached)?

Do you have any Labadie monitoring data yet and if so can you also share that with me? I'm interested in both met and concentration data when/if it is available.

Thanks,

Andy

Andy Hawkins

EPA Region 7

11201 Renner Boulevard

Lenexa, Kansas 66219

(913) 551-7179 office

hawkins.andy@epa.gov

From: Bhesania, Amy

Sent: Monday, May 04, 2015 12:09 PM

To: Gonzalez, Larry; Hawkins, Andy; Meyer, Jonathan; Jay, Michael; Tapp, Joshua

Cc: Grooms, Leland

Subject: Rush Island Monitor Siting

FYI – received this info from MDNR on Friday. Larry or Andy, you may want to coordinate with Lee prior to our review/response to DNR?

-ab

Amy Bhesania | EPA Region 7 | (913) 551-7147

11201 Renner Boulevard | Lenexa, KS 66219

From: Hall, Stephen [<mailto:stephen.hall@dnr.mo.gov>]

Sent: Friday, May 01, 2015 11:41 AM

To: Grooms, Leland

Cc: Bhesania, Amy; patricia.maliro@dnr.mo.gov; Wilbur, Emily; Vit, Wendy; Davis, Mike

Subject: Rush Island Monitor Siting

Lee,

We received the SO2 ambient air monitoring site proposal for the Ameren Rush Island project.

Patricia Maliro will be in contact with you to coordinate times that will work for Ameren, MDNR and EPAS to evaluate siting criteria for the Weaver candidate site. We anticipate setting something up over the next 2-3 weeks. Apparently some trees will need to be removed and there is a silo that needs to be evaluated to determine if it is an obstruction. MDNR staff have previously visited the Fults and Natches sites (in early April 2015) and confirmed that these sites meet the siting criteria of 40 CFR 58 Appendix E. However, we could arrange to have you visit those sites too if you feel that is necessary.

The two Labadie sites are installed and operating as Special Purpose Monitors. We can arrange to have you look at these sites too if needed, but both of these sites are located in an open field and comfortably meet the siting criteria of 40 CFR 58 Appendix E. The Labadie NE site can be viewed from Hwy 94. Let us know if you want to arrange to see the Labadie site locations.

Stephen M. Hall

Air Quality Analysis Section Chief
Air Pollution Control Program
Missouri Department of Natural Resources
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